

Notice of Allowability

Application No.

10/608,099

Examiner

Terrence R. Till

Applicant(s)

PARK, SANG JUN

Art Unit

1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/19/05.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20060301.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with K. Takeguchi on 2/28/06.

The application has been amended as follows:

In claim 19, line 5, "guided" has been replaced with --rotates--.

Please note only lines of text have been counted.

2. The following is an examiner's statement of reasons for allowance: With respect to claim 1, the prior art does not disclose nor render obvious the claimed combination of subject matter, particularly a rotational driving part which the bushing is inserted at a center thereof, the rotational driving part rotating around the driving shaft roller; and a link connecting part extending in a direction of an axis parallel with the driving shaft roller on an outer circumference of the rotational driving part and coupled with the other end of the selection link. With respect to claim 11, the prior art does not disclose nor render obvious the claimed combination of subject matter, particularly a rotational driving part including a rotation guide shaped in a circular skirt and into which a bushing is inserted and rotated, a link connecting part extending in a direction of an axis parallel with the driving shaft roller on an outer circumference of the rotation guide and coupled with one end of the selection link, and a roller support part extending in an opposite direction to the extension of the link connecting part. With respect to claim 18, the prior art does

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not disclose nor render obvious the claimed combination of subject matter, particularly a rotational driving part revolving around the bushing; a link connecting part and a roller support part which are formed in a direction of an axis parallel with the driving shaft roller on an outer circumference of the rotational driving part. With respect to claim 19, the prior art does not disclose nor render obvious the claimed combination of subject matter, particularly a fixing panel and a rotation guide which are positioned outside the driving shaft roller and rotated coaxially with the driving shaft roller; a link connecting part and a roller support part which are formed in a direction of an axis parallel with the driving shaft roller on an outer circumference of the rotation guide. With respect to claim 24, the prior art does not disclose nor render obvious the claimed combination of subject matter, particularly a rotational driving part revolving around the driving shaft roller, the rotational driving part including a rotation guide; and a roller support part positioned on an outer periphery of the rotation guide. In every one of the independent claims there is the claimed recitation that the rotational driving part is rotated around either the driving shaft roller or the bushing and an link connecting part/ roller support part that is on an outer circumference of the rotation driving part. The closest prior art, to Kim has what could be considered a rotation guide/ rotation driving part (16), but this part translates in a curved groove. It does not rotate. Further, it is not considered that what could be considered the link connecting part and roller support part (6) are on an outer circumference/ outer periphery of the rotation driving part. Rather the element is located interiorly of the circumference/ periphery. The other relevant prior art, to Roney et al., does disclose a rotation guide/ rotation driving part 52 with a roller support part located *on the inside of the rotation guide/ rotation driving part*. It is the examiner's position that one skilled in the art, when presented with the prior art to Kim and

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Roney et al. would not have found it obvious to modify either reference over the other to meet all the limitations of the claimed invention. To do so is considered impermissible hindsight as well as destroying the teachings of the other prior art device. Such modifications would require significant re-engineering beyond a reasonable expectation of success and change the principle of operation of either Kim or Roney et al.

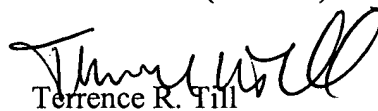
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terrence R. Till whose telephone number is (571) 272-1280. The examiner can normally be reached on Mon. through Thurs. and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys P. Corcoran can be reached on (571) 272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Terrence R. Till
Primary Examiner
Art Unit 1744

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